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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/732,773	12/11/2000	Chang Hee Lee	EM/LEE/6287	2723
7590 02/22/2006		EXAMINER PAYNE, DAVID C		
BACON & THOMAS, PLLC				
625 Slaters Lane - 4th Floor Alexandria, VA 22314-1176			ART UNIT	PAPER NUMBER
,			2638	
			DATE MAILED: 02/22/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		09/732,773	LEE ET AL.			
		Examiner	Art Unit			
		David C. Payne	2638			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is used to the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	I. lely filed the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status						
2a)⊠	Responsive to communication(s) filed on <u>27 Octoor</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Dispositi	on of Claims					
5)⊠ 6)⊠ 7)⊠	Claim(s) <u>15-56</u> is/are pending in the application 4a) Of the above claim(s) is/are withdray Claim(s) <u>28-56</u> is/are allowed. Claim(s) <u>15 and 22</u> is/are rejected. Claim(s) <u>16-21, 23-27</u> is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	on Papers					
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Ex	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen	t(s)					
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa				

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 27 October 2005 have been fully considered but they are not persuasive.

2. With regard to applicant's traverse of Ryu in view of Bourbin.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988)and *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, Ryu was shown to inject light to suppress modes of a laser. Bourbin was a mere teaching that coherent light can be used. Since in this case of substituting one light for another is well known if the art, and no special attributes are assigned thereof.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 15 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ryu US 5,793,512
 (Ryu) in view of Bourbin et al. US 4563087 (Bourbin).

Re claim 15 and 22,

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Ryu disclosed injecting a laser device (e.g., col./line: 5/25-35) but does not disclose externally injecting a narrow-band incoherent light signal into a light source capable of lasing; suppressing the lasing modes outside of a bandwidth of the injected incoherent light signal by injecting the narrow-band incoherent light signal; and locking an output wavelength of the light source capable of lasing within the bandwidth of the injected incoherent light.

Bourbin disclosed where incoherent light is injected into a fiber. It would have been obvious to one of ordinary skill in the art at the time of invention to use the incoherent light as injection source in the since incoherent light is a much more readily source of light than coherent light.

Allowable Subject Matter

- 5. Claims 28-56 are allowed.
- Claim 16-21 and 23-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action

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is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX

MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to David C. Payne whose telephone number is (571) 272-3024. The examiner can normally

be reached on M-F, 7:00a - 4:30p.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Jason Chan can be reached on (571) 272-3022. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained from

either Private PAIR or Public PAIR. Status information for unpublished applications is available through

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC)

at 866-217-9197 (toll-free).

Dcp

David C. Payne
Primary Examiner

AU 2633